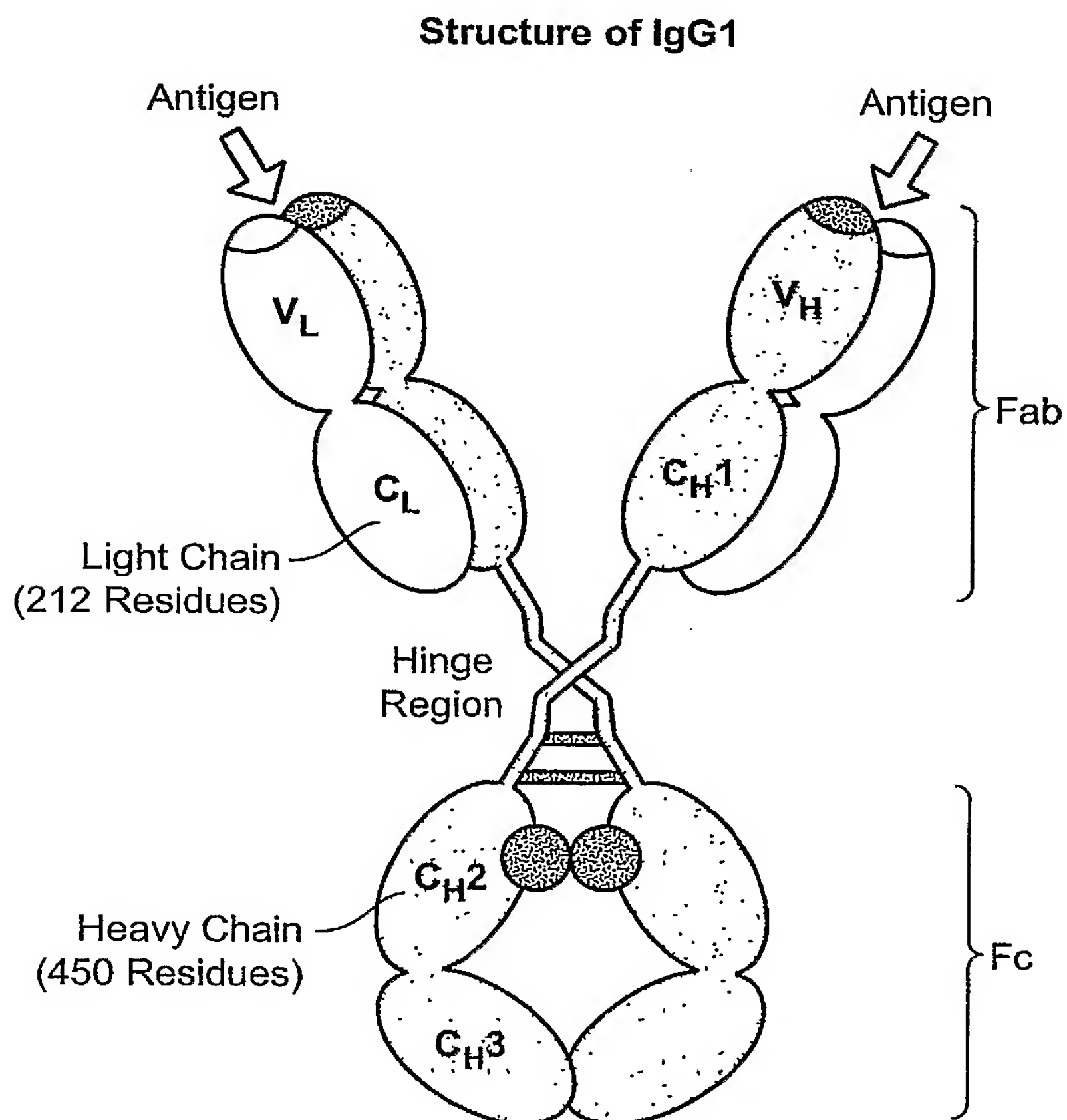


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1   TPVSEKQLAE VVANTITPLM KAQSVPGMAV AVIYQGKPHY YTFGKADIAA
51  NKPVTPQTLF ELGSISKTFE GVLGGDAIAR GEISLDDAVT RYWPQLTGKQ
101 WQGI RMLDLA TYTAGGLPLQ VPDEVTDNAS LLRFYQNWQP QWKPGTTRL Y
151 ANASIGLFGA LAVKPSGMPY EQAMTTRVLK PLKLDHTWIN VPKAEEAHYA
201 WGYRDGKAVR VSPGMLDAQA YGVKTNVQDM ANWVMANMAP ENVADASLKQ
251 GIALAQ SRYW RIGSMYQGLG WEMLNWPVEA NTVVETSFGN VALAPLPVAE
301 VNPPAPPVKA SWVHKTGSTG GFGSYVAFIP EKQIGIVMLA NTSYPNPARV
351 EAAYHILEAL Q

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FIG. 1**FIG. 2**

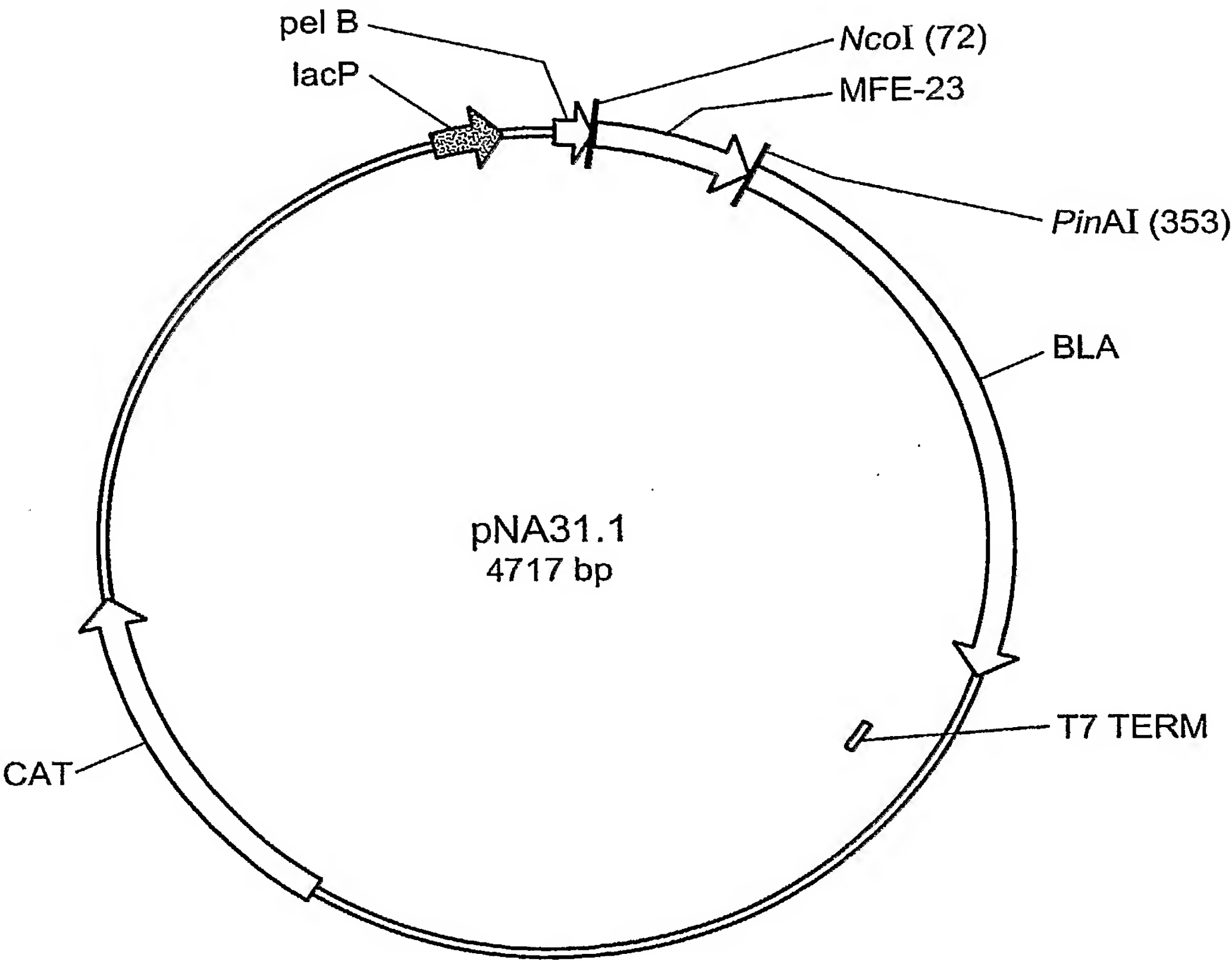


FIG. 3

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1	AGGAATTATC	ATATGAAATA	CCTGCTGCCG	ACCGCTGCTG	CTGGTCTGCT
51	GCTCCTCGCT	GCCCAGCCGG	CCATGGCCCA	GGTGAAACTG	CAGTGCCAGC
101	TCAAGTGTA	GTTACATGCA	CTGGTTCCAG	CAGAAGCCAG	GCACTTCTCC
151	CAAACCTCTG	ATTTATAGCA	CATCCAACCT	GGCTTCTGGA	GTCCCTGCTC
201	GCTTCAGTGG	CAGTGGATCT	GGGACCTCTT	ACTCTCTCAC	AATCAGCCGA
251	ATGGAGGCTG	AAGATGCTGC	CACTTATTAC	TGCCAGCAAA	GATCTAGTTA
301	CCCACTCACG	TTCGGTGCTG	GCACCAAGCT	GGAGCTGAAA	CGGGCGGCCA
351	CACCGGTGTC	AGAAAAACAG	CTGGCGGAGG	TGGTCGCGAA	TACGATTACC
401	CCGCTGATGA	AAGCCCAGTC	TGTTCCAGGC	ATGGCGGTGG	CCGTTATTTA
451	TCAGGGAAAA	CCGCACTATT	ACACATTTGG	CAAGGCCGAT	ATCGCGGCCA
501	ATAAACCCGT	TACGCCTCAG	ACCCTGTTCT	AGCTGGGTTC	TATAAGTAAA
551	ACCTTCACCG	GCGTTTTAGG	TGGGGATGCC	ATTGCTCGCG	GTGAAATTTT
601	GCTGGACGAT	GCGGTGACCA	GATACTGGCC	ACAGCTGACG	GGCAAGCAGT
651	GGCAGGGTAT	TCGTATGCTG	GATCTCGCCA	CCTACACCGC	TGGCGGCCTG
701	CCGCTACAGG	TACCGGATGA	GGTCACGGAT	AACGCCTCCC	TGCTGCGCTT
751	TTATCAAAAC	TGGCAGCCGC	AGTGGAAGCC	TGGCACAACG	CGTCTTTACG
801	CCAACGCCAG	CATCGGTCTT	TTTGGTGCGC	TGGCGGTCAA	ACCTTCTGGC
851	ATGCCCTATG	AGCAGGCCAT	GACGACGCGG	GTCCTTAAGC	CGCTCAAGCT
901	GGACCATACC	TGGATTAACG	TGCCGAAAGC	GGAAGAGGCG	CATTACGCCT
951	GGGGCTATCG	TGACGGTAAA	GCGGTGCGCG	TTTCGCCGGG	TATGCTGGAT
1001	GCACAAGCCT	ATGGCGTGAA	AACCAACGTG	CAGGATATGG	CGAACTGGGT
1051	CATGGCAAAC	ATGGCGCCGG	AGAACGTTGC	TGATGCCTCA	CTTAAGCAGG
1101	GCATCGCGCT	GGCGCAGTCG	CGCTACTGGC	GTATCGGGTC	AATGTATCAG
1151	GGTCTGGGCT	GGGAGATGCT	CAACTGGCCC	GTGGAGGCCA	ACACGGTGGT
1201	CGAGACGAGT	TTTGGTAAATG	TAGCACTGGC	GCCGTTGCCC	GTGGCAGAAG
1251	TGAATCCACC	GGCTCCCCCG	GTCAAAGCGT	CCTGGGTCCA	TAAAACGGGC
1301	TCTACTGGCG	GGTTTGGCAG	CTACGTGGCC	TTTATTCCTG	AAAAGCAGAT
1351	CGGTATTGTG	ATGCTCGCGA	ATACAAGCTA	TCCGAACCCG	GCACGCGTTG
1401	AGGCGGCATA	CCATATCCTC	GAGGCGCTAC	AGTAGGAATT	CGAGCTCCGT
1451	CGACAAGCTT	GCGGCCGCAC	TCGAGATCAA	ACGGGCTAGC	CAGCCAGAAC
1501	TCGCCCCGGA	AGACCCCGAG	GATGTCGAGC	ACCACCACCA	CCACCACTGA
1551	GATCCGGCTG	CTAACAAAGC	CCGAAAGGAA	GCTGAGTTGG	CTGCTGCCAC
1601	CGCTGAGCAA	TAAC TAGCAT	AACCCCTTGG	GGCCTCTAAA	CGGGTCTTGA
1651	GGGGTTTTTT	GCTGAAAGGA	GGAAC TATAT	CCGGATTGGC	GAATGGGACG
1701	CGCCCTGTAG	CGGCGCATTA	AGCGCGGCGG	GTGTGGTGGT	TACGCGCAGC
1751	GTGACCGCTA	CACTTGCCAG	CGCCCTAGCG	CCCGCTCCTT	TCGCTTTCTT
1801	CCCTTCCTTT	CTCGCCACGT	TCGCCGGCTT	TCCCCGTCAA	GCTCTAAATC
1851	GGGGGCTCCC	TTTAGGGTTC	CGATTTAGTG	CTTTACGGCA	CCTCGACCCC
1901	AAAAAACTTG	ATTAGGGTGA	TGGTTCACGT	AGTGGGCCAT	CGCCCTGATA
1951	GACGGTTTTT	CGCCCTTTGA	CGTTGGAGTC	CACGTTCTTT	AATAGTGGAC
2001	TCTTGTTCCA	AACTGGAACA	ACACTCAACC	CTATCTCGGT	CTATTCTTTT
2051	GATTTATAAG	GGATTTTGCC	GATTTTCGGC	TATTGGTTAA	AAAATGAGCT
2101	GATTTAACAA	AAATTTAACG	CGAATTTTAA	CAAAATATTA	ACGCTTACAA
2151	TTTCCTGATG	CGGTATTTTC	TCCTTACGCA	TCTGTGCGGT	ATTTACACAC
2201	GCATATGGTG	CACTCTCAGT	ACAATCTGCT	CTGATGCCGC	ATAGTTAAGC
2251	CAGCCCCGAC	ACCCGCCAAC	ACCCGCTGAC	GCGCCCTGAC	GGGCTTGTCT
2301	GCTCCCGGCA	TCCGCTTACA	GACAAGCTGT	GACCGTCTCC	GGGAGCTGCA
2351	TGTGTCAGAG	GTTTTACCCG	TCATCACCGA	AACGCGCGAG	ACGAAAGGGC

FIG. 4A

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2401	CTCGTGATAC	GCCTATTTTT	ATAGGTTAAT	GTCATGATAA	TAATGGTTTC
2451	TTAGACGTCA	GGTGGCACTT	TTCGGGGAAA	TGTGCGCGGA	ACCCCTATTT
2501	GTTTATTTTT	CTAAATACAT	TCAAATATGT	ATCCGCTCAT	GAGACAATAA
2551	CCCTGTGGCA	GCATCACCCG	ACGCACTTTG	CGCCGAATAA	ATACCTGTGA
2601	CGGAAGATCA	CTTCGCAGAA	TAAATAAATC	CTGGTGTCCC	TGTTGATACC
2651	GGGAAGCCCT	GGGCCAACTT	TTGGCGAAAA	TGAGACGTTG	ATCGGCACGT
2701	AAGAGGTTCC	AACTTTCACC	ATAATGAAAT	AAGATCACTA	CCGGGCGTAT
2751	TTTTTTGAGTT	ATCGAGATTT	TCAGGAGCTA	AGGAAGCTAA	AATGGAGAAA
2801	AAAATCACTG	GATATACCAC	CGTTGATATA	TCCCAATGGC	ATCGTAAAGA
2851	ACATTTTGAG	GCATTTTCAGT	CAGTTGCTCA	ATGTACCTAT	AACCAGACCG
2901	TTCAGCTGGA	TATTACGGCC	TTTTTAAAGA	CCGTAAAGAA	AAATAAGCAC
2951	AAGTTTTATC	CGGCCTTTAT	TCACATTCTT	GCCCGCCTGA	TGAATGCTCA
3001	TCCGGAATTC	CGTATGGCAA	TGAAAGACGG	TGAGCTGGTG	ATATGGGATA
3051	GTGTTCACCC	TTGTTACACC	GTTTTCCATG	AGCAAACCTGA	AACGTTTTCA
3101	TCGCTCTGGA	GTGAATACCA	CGACGATTTT	CGGCAGTTTC	TACACATATA
3151	TTCGCAAGAT	GTGGCGTGTT	ACGGTGAAAA	CCTGGCCTAT	TTCCCTAAAG
3201	GGTTTATTGA	GAATATGTTT	TTCGTCTCAG	CCAATCCCTG	GGTGAGTTTC
3251	ACCAGTTTTG	ATTTAAACGT	GGCCAATATG	GACAACTTCT	TCGCCCCCGT
3301	TTTCACGATG	GGCAAATATT	ATACGCAAGG	CGACAAGGTG	CTGATGCCGC
3351	TGGCGATTCA	GGTTCATCAT	GCCGTCTGTG	ATGGCTTCCA	TGTCGGCAGA
3401	ATGCTTAATG	AATTACAACA	GTA CTGCGAT	GAGTGGCAGG	GCGGGGCGTA
3451	AAGACAGATC	GCTGAGATAG	GTGCCTCACT	GATTAAGCAT	TGGTAACTGT
3501	CAGACCAAGT	TTACTCATAT	ATACTTTAGA	TTGATTTAAA	ACTTCATTTT
3551	TAATTTAAAA	GGATCTAGGT	GAAGATCCTT	TTTGATAATC	TCATGACCAA
3601	AATCCCTTAA	CGTGAGTTTT	CGTTCCACTG	AGCGTCAGAC	CCCGTAGAAA
3651	AGATCAAAGG	ATCTTCTTGA	GATCCTTTTT	TTCTGCGCGT	AATCTGCTGC
3701	TTGCAAACAA	AAAAACCACC	GCTACCAGCG	GTGGTTTGTT	TGCCGGATCA
3751	AGAGCTACCA	ACTCTTTTTC	CGAAGGTAAC	TGGCTTCAGC	AGAGCGCAGA
3801	TACCAAATAC	TGTTCTTCTA	GTGTAGCCGT	AGTTAGGCCA	CCACTTCAAG
3851	AACTCTGTAG	CACCGCCTAC	ATACCTCGCT	CTGCTAATCC	TGTTACCAGT
3901	GGCTGCTGCC	AGTGGCGATA	AGTCGTGTCT	TACCGGGTTG	GACTCAAGAC
3951	GATAGTTACC	GGATAAGGCG	CAGCGGTCGG	GCTGAACGGG	GGGTTTCGTGC
4001	ACACAGCCCA	GCTTGAGGCG	AACGACCTAC	ACCGAACTGA	GATACCTACA
4051	GCGTGAGCTA	TGAGAAAGCG	CCACGCTTCC	CGAAGGGAGA	AAGGCGGACA
4101	GGTATCCGGT	AAGCGGCAGG	GTCGGAACAG	GAGAGCGCAC	GAGGGAGCTT
4151	CCAGGGGGAA	ACGCCTGGTA	TCTTTATAGT	CCTGTGCGGT	TTCGCCACCT
4201	CTGACTTGAG	CGTCGATTTT	TGTGATGCTC	GTCAGGGGGG	CGGAGCCTAT
4251	GGAAAAACGC	CAGCAACGCG	GCCTTTTTTAC	GGTTCCTGGC	CTTTTGCTGG
4301	CCTTTTGCTC	ACATGTTCTT	TCCTGCGTTA	TCCCTTGATT	CTGTGGATAA
4351	CCGTATTACC	GCCTTTGAGT	GAGCTGATAC	CGCTCGCCGC	AGCCGAACGA
4401	CCGAGCGCAG	CGAGTCAGTG	AGCGAGGAAG	CGGAAGAGCG	CCCAATACGC
4451	AAACCGCCTC	TCCCCGCGCG	TTGGCCGATT	CATTAATGCA	GCTGGCACGA
4501	CAGGTTTCCC	GACTGGAAAG	CGGGCAGTGA	GCGCAACGCA	ATTAATGTGA
4551	GTTAGCTCAC	TCATTAGGCA	CCCCAGGCTT	TACACTTTAT	GCTTCCGGCT
4601	CGTATGTTGT	GTGGAATTGT	GAGCGGATAA	CAATTTCACA	CAGGAAACAG
4651	CTATGACCAT	GATTACGCCA	AGCTATTTAG	GTGACACTAT	AGAATACTCA
4701	AGCTTTCTAG	ATTAAGG			

FIG. 4B